* For Examiners Reference

IN THE CLAIMS:

1. A carburetor arrangement for an internal combustion engine in a manually guided implement, comprising:

a regulating chamber (11) that is delimited by a regulating diaphragm (12) and that, upon deflection of said regulating diaphragm, is connected with a fuel tank (22) wherein said regulating chamber (11) via at least one nozzle (16, 17, 30), opens into an air channel (2) that conveys fuel/air mixture to the internal combustion engine;

a scavenging pump (23) disposed in a return line (35) that leads from said regulating chamber (11) to said fuel tank (22) wherein a pump chamber (25) is formed in said scavenging pump (23); and

an intake mechanism that is provided with a supply line (36) that is adapted to establish communication from said pump chamber (25) into said air channel (2).

2. A carburetor arrangement according to claim 1, wherein a first valve (41) is disposed in said supply line (36).

3. A carburetor arrangement according to claim 2, wherein in a run-up phase of said internal combustion engine, said first valve (41) is open.

4. A carburetor arrangement according to claim 2, wherein a second valve (42) is disposed in a pressure line (37) that opens into said pump chamber (25).

5. A carburetor arrangement according to claim 4, wherein said pressure line (37) connects a crankcase (39) of said internal combustion engine with said pump chamber (25).

6. A carburetor arrangement according to claim 4, wherein a check valve (29) is disposed in said pressure line (37).

7. A carburetor arrangement according to claim 4, wherein said first valve (41) and said second valve (42) are coupled in such a way that both valves are either opened or closed.

8. A carburetor arrangement according to claim 4, wherein a third valve (43) is disposed in said return line (35) downstream of said pump chamber (25).

9. A carburetor arrangement according to claim 8, wherein a fourth valve (44) is disposed in said return line (35) upstream of said pump chamber (25).

10. A carburetor arrangement according to claim 9, wherein said third valve (43) and said fourth valve (44) are coupled in such a way that both valves are either opened or closed.

11. A carburetor arrangement according to claim 9, wherein said first valve (41) is coupled with said third valve (43) in such a way that one of said first and third valves is opened and the other of said third and first valves is closed.

12. A carburetor arrangement according to claim 9, wherein said second valve (42) is coupled with said fourth valve (44) in such a way that one of said second and fourth valves is opened and the other of said fourth and second valves is closed.

13. A carburetor arrangement according to claim 1, wherein a throttle valve (34) is disposed in said supply line (36).

14. A carburetor arrangement according to claim 1, wherein a check valve (27, 28) is disposed in said supply line (36), and wherein said check valve has an opening pressure that is greater than a pressure that during idling of the internal combustion engine prevails in a pressure line (37) that opens into said pump chamber (25).

15. A carburetor arrangement according to claim 14, wherein said check valve (27, 28) has an opening pressure of 100 to 600 mbar, especially 200 to 400 mbar.

16. A carburetor arrangement according to claim 9, wherein said first valve (41), said second valve (42), said third valve (43) and said fourth valve (44) are formed in a common valve slide (31).

17. A carburetor arrangement according to claim 16, wherein disposed in said air channel (2) are a pivotably mounted butterfly valve (21) and upstream of said butterfly valve a pivotably mounted choke valve (20).

18. A carburetor arrangement according to claim 17, wherein a position of at least one of said first, second, third and fourth valves (41) – (44) is coupled with a position of said choke valve (20).

19. A carburetor arrangement according to claim 18, wherein a control lever (40) is provided, and wherein a position of said control lever couples said choke valve (20) with a position of said valve slide (31).

20. A carburetor arrangement according to claim 18, wherein when said choke valve (20) is open, said first valve (41) is open.

21. A carburetor arrangement according to claim 18, wherein when said choke valve (20) is closed, said third valve (43) is open.

22. A carburetor arrangement according to claim 8, wherein a cover element (52) is provided, wherein a position of said cover element is coupled to a position of said third valve (43) and wherein said cover element (52) releases said scavenging pump (23) when said third valve (43) is open.